PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.:

10/777,205

Applicants / Inventors: Terrance Dean Maxwell et. al.

Assignee:

Halliburton Energy Services, Inc.

Filing Date:

February 13, 2004

Priority Date:

November 7, 2003

Title:

VARIABLE GAUGE DRILLING APPARATUS AND

METHOD OF ASSEMBLY THEREOF

Group Art Unit:

Unknown

Examiner:

Unknown

Entity Status:

Large Entity

Our Docket:

58029-147

May 20, 2004

TO: Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Sir:

Attached hereto and transmitted herewith for filing are the following:

- 1. Information Disclosure Statement for the above-identified patent application;
- 2. Information Disclosure Citation Form PTO/SB/08A;
- Copies of all "Foreign Patent Documents" and "Other Prior Art" listed in the enclosed 3. Information Disclosure Citation Form PTO/SB/08A; and

4. A self-addressed card for return to our office to confirm the filing of the enclosed materials.

Respectfully submitted,

SMART & BIGGAR

TERRENCE N. KUHARCHUK Registration No. 34,999 1501 - 10060 Jasper Avenue Scotia Place, Tower Two Edmonton, Alberta

Canada T5J 3R8 Telephone: 1-780-428-2960

Fax: 1-780-423-6975 Applicant's Agent

PATENT

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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 CFR 1.56, the Applicants enclose a completed Information Disclosure Citation form PTO/SB/08A (3 pages) listing the prior art cited by the Applicants.

Copies of all "Foreign Patent Documents" and "Other Prior Art" cited by the Applicants are also enclosed. Copies of all "U.S. Patent Documents" cited by the Applicants are not provided herein in accordance with the waiver of the requirement under 37 CFR §1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each cited U.S. application publication.

The undersigned agent hereby certifies that each item of information contained in this Information Disclosure Statement is being submitted pursuant to 37 CFR 1.97(b)(3) before the mailing of a first Office Action on the merits by the U.S. Patent and Trademark Office.

The Applicants respectfully request that the examiner consider the enclosed prior art reference materials in the examination of this application.

Respectfully submitted,

SMART & BIGGAR

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PTO/SB/08A (10-96)
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known					
Application Number	10/777,205				
Filing Date	February 13, 2004				
First Named Inventor	Terrance Dean MAXWELL et al.				
Group Art Unit	unknown				
Examiner Name	unknown				
Attorney Docket Number	58029-147				

			U.S. PATENT DOCL	JMENTS	
Examiner Initials*	Cite No.1	U.S. Patent Document Kind Code ² Number (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,034,929	Cobern et. al.	07-23-1991	
		5,307,885	Kuwana et. al.	05-03-1994	
		5,353,884	Misawa et. al.	10-11-1994	
		5,685,379	Barr et. al.	11-11-1997	
		5,706,905	Barr	01-13-1998	
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		5,875,859	Ikeda et. al.	03-02-1999	
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		5,139,094	Prevedel et. al.	08-18-1992	
		3,823,787	Haworth et. al.	07-16-1974	
		5,314,030	Peterson	05-24-1994	
		6,244,361	Comeau et. al.	06-12-2001	
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·		3,896,667	Jeter	07-29-1975	
		3,967,680	Jeter	07-06-1976	
		4,655,289	Schoeffler	04-07-1987	
		6,267,185	Mougel et al.	07-31-2001	
		2,210,824	Walker, Sr.	08-06-1940	
		4,428,626	Blau et al.	01-31-1984	
		4,459,613	Case	10-20-1985	

				FORE	EIGN PATENT DOCUMENT	rs		
	0.1		Foreign Patent Docui	ment	Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	Т
Examiner Initials*	Cite No. ¹	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	7
		GB	2,172,324		Schlumberger Canada	09-17-1986		Т
		GB	2,172,325		Cambridge Radiation	09-17-1986		Т
		GB	2,177,738		Cambridge Radiation	01-28-1987		T
		WO	90/07625		Cambridge Radiation	07-12-1990		T
		WO	90/08245		Cambridge Radiation	07-26-1990		T
		GB	2,307,537		Astec Developments	05-28-1997		T
		wo	99/24688		Telejet Technologies	05-20-1999		T
		EP	0,718,641 A		Baker Hughes Inc.	06-26-1996		T
		GB	2,017,191		Haglund	10-03-1979		T
		CA	2,314,575		Baker Hughes Inc.	01-23-2001		十

Examiner	Date	
Signature	Considered	

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

58029-147

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Substitute for form 1449A/PTO	C	omplete if Known
	Application Number	10/777,205
INFORMATION DISCLOSURE	Filing Date	February 13, 2004
STATEMENT BY APPLICANT	First Named Inventor	Terrance Dean MAXWELL et al.
	Group Art Unit	Unknown
(use as many sheets as necessary)	Examiner Name	Unknown

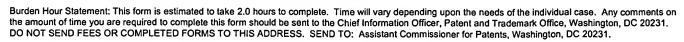
Attorney Docket Number

			U.S. PATENT DOCL	JMENTS	
Examiner Initials*	Cite No.1	U.S. Patent Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,547,031	Warren et al.	08-20-1996	•
		6,158,533	Gillis et al.	12-12-2000	
		6,227,313	Davis et al.	05-08-2001	
		6,244,361	Comeau et al.	06-12-2001	
		6,382,333	Murray	05-07-2002	
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		5,758,732	Leiv	06-02-1998	<u></u>
		6,318,462	Tessier	11-20-2001	
		2002/0053470	Noe et al.	05-09-2002	
		4,314,615	Sodder, Jr. et al.	02-09-1998	
		4,512,422	Knisley	04-23-1985	
		4,612,987	Cheek	09-23-1986	
		5,467,834	Hughes et al.	11-21-1995	
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				FORI	EIGN PATENT DOCUMENT	rs		
F	Cita		Foreign Patent Docur	ment	Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	\top
Examiner Initials*	Cite No. ¹	Office ³	ce ³ Number ⁴ (#		Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	
		CA	2,298,375		Schlumberger Canada	09-15-2000		
		GB	2,356,207		McLoughlin	05-16-2001		
		WO	00/65198		McLoughlin	11-02-2000		
		wo	01/11191 A1		Vector Magnetics, Inc.	02-15-2001		\perp
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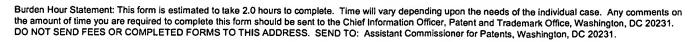
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Substitute for form 1449B/PTO				Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/777,205		
				Filing Date	February 13, 2004		
				First Named Inventor	Terrance Dean MAXWELL et al.		
		_ •		Group Art Unit	unknown		
(use as many sheets as necessary)				Examiner Name	unknown		
Sheet	3	of	3	Attorney Docket Number	58029-147		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Warren T: "Technology Gains Momentum," Oil and Gas Journal, US, Pennwell Publishing Co., Tulsa, Vol. 96, No. 51, December 21, 1998, pp. 101-105.	
		"LoTAD (Trademark), Mechanical Friction- and Wear- Reduction Running String," product description of Weatherford Drilling & Intervention Services website www.weatherford.com, 2 pp.	
		"LoTAD (Trademark), product description of Weatherford Drilling & Intervention Services website www.weatherford.com, 2pp.	
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